

Discovery

EXPRESS



ONLY 22 MONTHS OLD AND OVER 1000 MEMBERS

DISCOVERY OWNERS RALLY TO THE NEW MILLENNIUM

Members of the Discovery Owners Association start out the millennium with a bang with two great rallies—one on the West Coast in Newport Beach, California at the Newport Dunes Waterfront RV Resort and the other on the East Coast in Tampa, Florida at Lazydays RV Resort. Here are the stories from the Wagonmasters of both rallies.

NEWPORT BEACH RALLY- Jan 9-12

The Discovery California winter rally turned out to be an outstanding rally and huge success according to those in attendance. There were 75 rigs checked-in including a couple of new members picked-up in the process. Viewing from the dunes ridgeline above the park, all of the rows of Discovery units lined up were a sight to behold.

Each morning, everyone met at the clubhouse to exchange information, enjoy camaraderie and announcements for the day over fresh coffee and assorted pastries generously provided by the Discovery Association and wagonmaster.

Once again we were blessed to have the wonderful **Fleetwood** service technician group, headed by **Don Ayer** and **Jim Pourroy**, available to address member's repairs, problems, concerns and future documentation items. Everyone fully expressed their sincere gratitude for the 12 qualified and service friendly technicians throughout the entire rally time span. **This was outstanding support and service from Fleetwood and its great staff! Thank you all so much!!**

The scheduled rally seminars were always attended to near full capacity seating. In some cases, we were given quick use of two other smaller conference rooms in order to handle events.

The factory seminars featured: **Fleetwood, Cummins, Onan/Cummins, Freightliner, and Sharpe** microwave/convection ovens. Commercial seminars were provided by: **Blue Ox, A'Veigh We Go, Mike Thompson RV Super Stores**, and a display of four new 2000 model Discovery units with staff from **Mike Thompson's** for questions and answers.

Even during and after all of these events, most folks found ample time for local attractions in and around the Newport Beach area.

Mike Thompson RV Super Stores through the efforts of **Frank & Donna De Geles**, owner, and **Luke Nienhuis**, director of sales, gracefully sponsored our farewell dinner of prime rib with all the trimmings, as well as generous gifts for prize drawings. Also, **Fleetwood** provided gifts of coach bra's and two patio chairs, which were auctioned off in a high spirited and laugh-filled event after dinner. **Jim Adams & Rob Brown** from Thompson RV provided consultation on the 2000 model RV's and helped with auctions.

Time and space is not sufficient for me to acknowledge every person or group who really made this fun rally a huge success. I do wish to name a few who went above and beyond! A huge thanks to **Andre Guay** and his wife **Gisele** for taking charge of the coffee, dinner and serving

arrangements for the rally events. They put together crews of volunteers to serve the needs of the members, be it 5:00 AM or 12:00 PM in order to complete their responsibility for matters of food or beverage, be it serving, equipment or cleanup. As always, past and present, ready to serve in any given capacity were: **Jim and Dorothy Devine, Sharon Ayer and Sonny Springer, Sharon and Wes Patterson** and my wife **Artie Lee**.

We would also like to pass along our sincere appreciation and gratitude to **Tyla Hendy**, Group Sales Coordinator for Newport Beach Waterfront Resort, for outstanding group expertise, patience and attention to our needs throughout this successful rally.

Of course the biggest tip of the old hat goes to the wonderful and thoughtful members who came forth to fully volunteer on registration, cleanup, serving, parking or what ever was needed at the time to insure an enjoyable time and real camaraderie! That's why the Newport Rally was such a success for all. So far, Discovery owners are a true class act and know how to have and enjoy a rally.

Again, my lovely **Artie Lee** and I thank you all who attended and made our task so enjoyable. Happy travels and lasting adventures on the RV trail.

Ted Van Winkle, Wagonmaster & Western Region Vice-President

TAMPA RALLY- Feb. 3-6

As rally masters of the eastern region "Presidential Appreciation Rally" in Feb 2000, we are proud to report a fantastic turnout, - over 170 coaches. We had great food, seminars and friendship renewed and begun. We hope all attendees enjoyed it as much as we enjoyed bringing it all together for you.

Our heartfelt thanks to all of you who volunteered to help out. Our very special thanks to **Pete Pizzano [Eastern Regional VP]** who played Lincoln and to **Bob Chinn (Midwest Regional**

VP) who played George Washington in our salute to our Presidential Rally that was in honor of our Founding President, **Jim Devine**. A video was taken and will be shown at the National Rally to be held in Richmond, Indiana in September.

Co-Wagonmasters

**Lois & Gene Patterson
Yolanda & Joe De Santis**

A LETTER FROM THE PRESIDENT

January 2000

Dear Fellow Discovery Owners,

I look forward to serving you in the year 2000 as your President of this elite association; and working with this fine slate of officers. Congratulations to all the elected officers.

Our goals are simple.

To get to know each other and have some fellowship, sharing ideas and information about our common bond- *the DISCOVERY coach*.

I look forward to better communications throughout the year, to have your needs better met, and to work with the Regional VP teams.

I also want to express our appreciation to **Jim & Dorothy Devine** for the stellar work they have done to get us started. If it weren't for them we would not have a *Discovery Owners Association, Inc* with such a fine beginning. They had the vision and it is up to us to carry on.

It will be a challenge but I know that with your help it will be a *GREAT* year.

Wishing all of you Sunshine & Smiles

Yolanda De Santis

FOUNDER'S FAREWELL

One day in a vision, we saw a rainbow. Why not climb onto the rainbow? Such a great notion, we were filled with wonder and excitement!

We did not want to follow this rainbow- we wanted to walk upon it, discover the awe of it, to feel the exhilaration one gets when starting on a great adventure.

At the beginning, the rainbow arches up steeply and to get on, we discovered it takes great effort and faith. Faith in your heart and in your mind you must, as Peter Pan said- "you gotta believe."

Many times, we were not successful in our attempt to climb up the steep face of the rainbow. With encouragement from each other and from people who were strangers at first, we would help each other up and continue our quest.

As we progressed slowly up the rainbow, more and more people realized what we were attempting to accomplish. They too could see the beauty of the rainbow and offered to help us in the realization of our dream.

At the crest of the rainbow, one could look out and see the excitement, the happiness experienced by the many who too could see the rainbow. Surrounded by the many that believed as Peter Pan said you must, we resumed our trek along the rainbow.

Now in the distance, we see the end of the rainbow. And, as we move toward the base of the rainbow, strong emotions sweep through us- the sheer wonderment of the adventure, the joy of fulfillment, the realization of how close we came to NOT attempting this special thing, this quest, this wonderful time in our lives.

Reluctantly we step off the rainbow where for so long we struggled to fulfill our dream. As we start to move away, we see a pot of gold. With hearts beating fast and with much more anticipation, we eagerly seek our treasure. This treasure we found is our pot of gold no one could ever set a monetary value on. This priceless treasure we have is

friendship- the friendship of the many who we have met on this rainbow, who have touched our lives and made us richer by their presences.

By **Jim & Dorothy Devine**

A SURPRISE DEDICATION

The Feb 2000 rally at Lazydays in Florida was called the "Presidential Appreciation Rally". After a wonderful welcome dinner, **Founding President Jim Devine** found out that he was the most "Appreciated President".

Surprised honored guests included Abraham Lincoln and George Washington who both mounted a vigorous campaign to be selected "Greatest President", and to win the grand prize of a new *Discovery Motor Home* [given by our generous membership].

However, in a landslide election **James Devine** was elected "Greatest President", [but sorry – no new *Discovery* as he already owned one].

The **First Lady Dorothy Devine** received a bouquet of roses as the band played "Hail to the Chief".

Jim & Dorothy received a well-deserved standing ovation.

EASTERN REGION 4 NEWSLETTER

The Lazydays rally held on February 3-6, 2000 was a success. Assembled for the rally were 171 Discovery motor coaches. Good spirited and understanding members overlooked the incomplete construction of the new Lazydays facilities.

Your rally committee has scheduled a February 2001 rally to be held at Lazydays campground. Anticipating the growth of the Discovery Owners Association, the entire campground of 299 full hookup sites has been reserved.

In order for the Association's President to administer more harmoniously, the United States and Canada has been divided into four (4) regions.

These regions coincide with the already established Fleetwood regions. Regions are numbered from left to right as one looks at a map (editor's note- we show the states in each region later in this issue of your newsletter.)

I would like to see three (3) regional rallies located in the northern, central and southern areas of our eastern region 4.

Many of us stepped forward and took positions to help better coordinate our association activities. We need more volunteers. We need chapters that are the heartbeat of the Association. All chapters must be formed in accordance with the by-laws and standing rules of the Association.

Anyone interested in starting a chapter or volunteering, please contact Pete Pizzano at (727) 376-2502.

Fleetwood Customer Service-
1-800-322-8216

DISCOVERY TIPS AND HINTS- by Jim Pourroy, Fleetwood Technical Service Trainer

One of the most common questions asked by RV owners is how to recharge their batteries after running them down while dry camping. The answer to this question varies on the type and year of the coach.

Take Discovery's for example- they are equipped with two strong charging systems, the engine driven alternator and the inverter/converter that is powered by the shore cord or the generator. Choosing which to use depends on a lot of factors.

If you have somewhere to go, let the alternator do the job while driving. If you need to top up the batteries while dry camping, start the generator and let the inverter/converter do the job. If you have the time, plugging into shore power for a few days is the best method.

The coach system uses deep cycle batteries, two six-volt batteries connected in series that provide 217 Amp hours of current. The term amp hour

refers to a volume of current (Amps) over a period of time (hours). To bring up a set of auxiliary batteries from complete discharge to fully charged you need to replace those Amp hours.

Your batteries are like an electrical savings account; you have to replace what is used to keep your account full.

The inverter/converter is rated at 50 amps for the 1000-Watt inverter and 100 amps for the 2000-Watt version. The only problem in computing the recharge time is that the output of the converter is not constant. When it first comes on it goes into a bulk charge mode where the voltage and current are at, or are near the maximum capacity. The charge then tapers off as the battery returns to a fully charged state.

This is why the math gets a little difficult. Three to four hours of generator run time should provide a good return of Amps back into the batteries. This is based on the stock configuration of two six-volt batteries with the 1000-Watt inverter and four batteries with the 2000-Watt inverter. If a coach is equipped with a 1000-Watt inverter and four batteries, it will take twice as long. It should also last twice as long.

Common sense and experience (the best teacher) will help to establish some conservation rules. Turn on only what lighting is needed; turn them off when you leave the area.

Use the inverter sparingly; it is the highest consumer of battery power. It will consume greater than 10 times the input amperage at 12 VDC than it will produce at 120 VAC. Example: if your microwave uses 10 amps at 120 VAC then it will draw more than 100 Amps from the 12 VDC battery bank.

Here is some background information on the charging system layout for the more technical minded:

The printed circuit board in the Battery Control Center (BCC) is responsible for activating the battery isolator that connects the chassis and coach battery systems for charging while driving. The BCC is that black box located in your battery

compartment that contains your battery disconnect solenoids, ignition relay, and fuses for some of your circuits. All Discovery's have a BCC.

The units that have the RV Custom P/N CB-300D Rev. C or later printed circuit board in their BCC have an additional feature. The part number and revision are silk screened along the edge of the circuit board. The additional feature is the charging of the chassis battery from shore or generator power. This means that the isolator solenoid can be engaged two ways, the primary way via the alternator and the secondary way via the inverter/converter. Both methods require an input voltage of 13.2 VDC or more to activate the solenoid.

While on the subject of batteries and charging systems, when was the last time you checked the electrolyte level? It should be checked once a month. The level should be maintained by adding distilled water to the bottom of the split in the collar that extends into the cell. Use a flashlight to be sure that you don't over fill.

HINTS, ANSWERS & IDEAS- from the Newport Rally Technical Session by Jim Pourroy of Fleetwood

Q. What training do mechanics at dealers have?
A. Varied. All the way from college type degrees to experience only.

Q. Are all dealer mechanics trained by Fleetwood?
A. No.

Q. Does Fleetwood have requirements for dealer's training?
A. Yes. "X" number of technicians each year.

Q. Does Fleetwood train door installers?
A. No. Fleetwood sends each door with written instruction. Also, dealers can call Fleetwood and be "walked through" the procedure.

NOTE: the Fleetwood Customer Service telephone number is 1-800-322-8216.

Q. What causes the jacks to crack and pop in the middle of the night?

A. Jacks pop based on expansion and contraction of liquid. Extend the jacks fully and spray the cylinders with silicone, then run the jacks up and down. This will also protect the cylinders. Popping can also be caused by the loss of fluid in the cylinders.

Q. How do you stop the shot of cold water from the shower when it is turned off and then on again?

A. Install a single check-valve on the cold-water side. Use the same check-valve as the one on the back of the water heater. This will equalize the flow resistance in the hot and cold water lines. Sometimes this can be put right into the faucet, otherwise slice into the cold line and put the check-valve in there.

NOTE: Do NOT leave the outside shower valves on. It causes the cold water to blend with the hot water with the result that the water is never warmer than tepid.

Q. What causes the shower floor to be soft and make crackling noises?

A. The foam in the shower base is broken down. The shower base must be removed and the foam replaced. This has to be done by a trained technician. As a stopgap measure, you can use foam from a can to fill the space.

Q. Does Fleetwood have a web sight for discussion of this type of issues?

A. No. We don't know if they will have one but hopefully yes.

Q. If I turn the generator on while I am driving, everything else turns off.

A. This is a quirk in the electrical load management of the system. Just start them up again.

NOTE: the generator should be run at half power load or more for at least 2 hours each month to keep it in good condition. This is also good for the seals, etc. in the air conditioning units.

Q. Does this mean that even in the winter I should turn on the generator and use both air conditioners for 2 hours?

A. Yes. Also, run you air conditioners to de-humidify the air in the coach to cut down on steamy windows and condensation. An electric "cube" heater makes a good generator load.

Q. When I turn on the generator, the A/C shed light comes on. Why?

A. If other loads are running, there may not be enough amperage available to run the air conditioner as well.

Q. What causes the inverter to run intermittently?

A. One failure mode noted is a spring inside a relay in the inverter transfer switch box that breaks and prevents the relay from returning to the "inverter" position. Later, mechanical loads cause the relay to return to the inverter power position.

Q. What causes an inverter to stop working when the generator is on?

A. Sometimes the problem is just a bad inverter.

NOTE: You should turn OFF the exterior inverter switch and put black tape over it. Also, when shore power is on, an inverter becomes a converter to charge the batteries and provide 12-volt power for the coach.

Q. Is there any chance of the sidewall delaminating as they did in earlier models?

A. No. The glues are much better since 1992.

Q. Is there any danger in using shore power and the generator at the same time?

A. Absolutely not. For instance, you can use the generator when shore power isn't enough to be able to use both air conditioners on a hot day.

Q. When storing the RV, do you leave batteries hooked up or disconnected?

A. If you leave it hooked up to AC power, the inverter will keep, first, the house batteries charged, and then, second the engine batteries charged. If you don't have AC power, then you should turn the inverter off and disconnect the batteries. The solar panel will keep the house batteries fully charged if they are disconnected, but will not be enough to offset any load- loads

like the circuits that are always on in the TV sets or the TV amplifier if you leave the batteries connected for more that a couple of weeks.

NOTE: Trojan batteries (the house or auxiliary batteries) are the best batteries ever- good for 5-7 years at least if you keep them charged and the water levels up.

Q. Will the icemaker work from the inverter?

A. It would have to be plugged into an inverter cord and it uses a lot of power.

Q. Can the back TV work on the inverter? On 110V?

A. Yes. It would only require a change of the TV power cord.

Q. How much power comes from the Freedom 10 inverter?

A. 1000 watts.

NOTE: David Wickersham said that a microwave can be run for 15 minutes on the 1000-watt inverter- he ran a power cord from the inverter circuit to a second outlet by the microwave cord. He plugs the microwave into the inverter line when not hooked to shore power. The specifications on the inverter will allow 1500-1600 watts for 15 minutes. He has done this successfully for years.

Q. Do the Freightliner batteries need maintenance?

A. If the top comes off- yes, it should have the water level checked. If the battery is sealed, it is maintenance free.

Q. Should the air bags be dumped when the coach is parked for storage?

A. It is up to the driver's personal preference. For long-term storage, use the jacks to take some of the load off the tiers.

Q. Will it damage the air bags to use the jacks while they are inflated?

A. No. But the jacks may not have enough travel to level the coach with the bags inflated.

Q. Is it OK to connect the two propane tanks?

A. It is against the law unless done in a very specific way by a licensed installer, and this would void the system as certified by Federal agencies, which approve the propane system. Beside, it could be two different types of propane tanks- one has vapor drawn off for appliances and one has liquid drawn off for the generator.

Q. What CB antenna do you like?

A. "Firestick" or other adjustable ones that are short and heavy duty.

Q. What causes a buzz on AM reception when the AC is running?

A. Ground the antenna (unplug the antenna) to find out if the buzz is really coming from there or through the power cord to the radio. You can put filters in the circuit, which is causing the noise.

Q. What happened when the brake lights on the tow vehicle don't work but the turn indicators do?

A. It depends on the wiring of the coach. If the turn signal lights are amber, a converter box is needed to put the wiring of the turn signals back with the brake lights. There are lots of kits out there to do this.

Q. I had a hard time finding what was the problem when the brake lights did not work.

A. There is a Freightliner bulletin that says that the two wires from the front to the back are white and the wire from back to front is red.

Q. What happened when the stoplights are out but the center light is on?

A. There is a diode somewhere in the brake light harness. If the side stop lights are out, but the center light is on, the diode is burned out. You need to put two diodes in parallel in the brake light circuit to keep this from happening again. The best way to do this is to find the wire to the stoplights, and splice in a wire with new diodes around the failed diode.

Q. Is it safe to raise the fuse amperage on the stop light and cruise control circuit to keep it from blowing when using a tow vehicle?

A. It is not "officially" recommended- rather; add a relay for the tow car lights to give them a separate power line that is turned on by the coach stoplights.

Q. Is there more fuel economy when traveling to use the dash or coach air conditioners?

A. Probably off the engine, but consider heating of the engine due to the load including tow vehicle. It may be better to use the generator and roof air conditioners in very hot weather.

Q. What is the best way to hang things on the wall?

A. Audience input included Velcro, heavy duty Velcro, self stick hooks, and glue-on hooks. Also, for a cabinet in the bathroom, there is a single stud about centered behind the toilet. Or, get diagrams from Fleetwood that show where things are in the walls, like studs and wires.

Thanks very much **Jim Pourroy** for a very enlightening session.

**CUMMINS TECHNICAL SEMINAR
HIGHLIGHTS- by John Yurrian, General
Service Manager/Service Engineer and Dwight
Hanson**

Watch for a Cummins coach care network coming soon.

There have been several fuel return line failures (about 10% of the B275 engines). The temporary fix is a piece of 3/16 hose and a couple of hose clamps to splice the broken line. Kit #42485 will replace the existing return lines. These will be fixed by Cummins upon failure. There is NO recall.

Cummins recommends changing the engine oil every 15,00 miles.

Want to know where to get propane??

Go to this address on the web-

<http://www.propanegas.com/>

Spread the word- we need new members!

WHAT'S COMING UP???**WESTERN REGION SUMMER RALLY**

Potentially in July somewhere???? Call Ted Van Winkle for any suggestions at (916) 722-7429. An alternate thought is to have a pre-rally in Colorado in September on the way to Indiana. Comments?

NATIONAL RALLY- 2000!!

Richmond, Indiana again in September. Dates at this time are September 13-17 following the Tom Raper rally. Entertainment will be provided by **Charlie Estes & Friends** of Richmond. **Don't you dare miss this one!** Get on the wagon and get your reservation in. See the flyer on page 15.

WESTERN REGION WINTER RALLY- 2001

Emerald Desert Golf & RV Resort, January 7-11 at Palm Desert, California. Our rally will end on the 11th, the same day as the FMCA Indio rally starts. More information to come in the next issues.

EASTERN REGION WINTER RALLY- 2001

Lazydays at Tampa, Florida again February 1-4 with 299 full hookup sites already reserved. Stay tuned for more details.

YOUR 2000 SLATE OF OFFICERS

President- **Yolanda DeSantis**
 Executive Vice President- **Lois Patterson**
 Secretary- **Dawn Stevens**
 Treasurer- **Ralph Bailey**
 Rallymaster- **Phil Yovino**
 VP Development- **Jim Devine**
 East Regional VP- **Pete Pizzano**
 Midwest Regional VP- **Bob Chinn**
 Northwest Regional VP- **Arnie Thompson**
 West Regional VP- **Ted Van Winkle**

THE DISCOVERY REGIONS DEFINED

Region 1- Northwest- Arnie Thompson VP

Alaska
 Idaho
 Montana
 Nevada
 Oregon
 Washington
Saskatchewan
Manitoba
Alberta
British Columbia

Region 2- West- Ted Van Winkle VP

Arizona
 California
 Colorado
 Kansas
 Nebraska
 New Mexico
 North Dakota
 South Dakota
 Utah
 Wyoming

Region 3- Bob Chinn VP

Arkansas
 Illinois
 Indiana
 Iowa
 Kentucky
 Louisiana
 Michigan
 Minnesota
 Missouri
 Ohio
 Oklahoma
 Tennessee
 Texas
 Wisconsin

Region 4- Pete Pizzano VP

Alabama
 Connecticut
 Delaware
 Florida
 Georgia
 New Hampshire
 New Jersey
 New York
 Maine
 Maryland
 Massachusetts

Mississippi
 North Carolina
 Pennsylvania
 Rhode Island
 South Carolina
 Vermont
 Virginia
 West Virginia
 Quebec
 Ontario

WHERE TO SEND WHAT

Send all matters of general interest or for action by the President to:

Yolanda DeSantis, President
 8092 Summersong Court
 Spring Hill, FL 34606
 1-352-686-5492
 jpdi@aol.com

Send changes of address, membership inquiries, checks, membership applications and renewal dues to:

Sharon Ayer, Membership Chairman
 91 East Donohoe
 Chula Vista, CA 91911
 1-888-549-6818
 SAyer40152@aol.com

Send requests for Discovery Badges to:

'Mr. Ed' Badges n Signs
 P.O. Box 303
 Crystal Beach, FL 34681
 1-800-398-8307
 Badges \$5.50, hangers \$3, s/h \$1 each

Send problems experienced with your Discovery, and any solutions, hints and tips to share to:

J.B. Vaughn
 303 California Street
 Clyde, TX 79510
 1-915-893-2625

YOUR HELP IS NEEDED!!

Your new newsletter editor needs your help. **All** of you are reporters and in order for the newsletter to get out and contain the information you want and need, **YOU** must get your information to your editor. The more you do, the better your newsletter will be. So just do it! We can take your information handwritten, as long as it is readable, typed, by snail mail, by e-mail or disk (Microsoft Word or Corel Word Perfect), or by FAX. The addresses are below for your newsletter editor:

Snail mail: Don Fuller
 43229 Echard Avenue
 Lancaster, CA 93536-5399

E-mail: wdfuller@aol.com

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Phone: 1-661-942-1575

A big thanks to all that provided inputs for this issue. You are all heroes!!

NOTICE: Any errors in this issue of our newsletter are the direct fault of brain damage and CRS on the part of the Editor! No yelling allowed!!

DISCOVERY WEBSITE GOING GREAT!!

Thanks to Bob Cook, our Webmaster, for his efforts. The Discovery Owners Association Website is going strong and looking great. If you have not checked it out, go to:

<http://www.discoveryowners.com/> and look it over. You will especially appreciate the Hints and Tips area.

Features include a chat room for which you need a Java-capable browser. In addition, a list processor, called E-group, allows for communication with other Association members who have e-mail. To subscribe to the E-group distribution, no cost, just go to the website and sign up. You'll be glad you did!!

TIPS FROM NEWPORT DUNES RALLY

January 2000

OUTSIDE

Water heaters: If your vent cover discolors or yellows...use Bar Tenders Keeper or Zud cleanser and you'll wonder where the yellow went. This also cleans the Corian tops nicely.

It is a good idea to put a cotter key, bobby pin, etc. through the hole in the water heater opener on the outside of the coach. If the opener moves in the right position it can fly off in transit!

Do not leave the valves in the outside wash-station in the open position. This will cause the cold water to mix with the hot in the coach and there seems to be no hot water. Don't call a repair man if you have warm water only; check those valves first.

KITCHEN

Use an inexpensive voltage checker or meter to make sure your voltage is OK when going to use a high-energy consumption appliance like your microwave, dryer, etc. Learn to manage the power and extend the life of your appliances.

Store microwave wire racks by putting a holder inside the sink compartment up high or use the top of a crock-pot placed under sink compartment. They fit perfectly on top. Put paper towels, oven mitts, or styrofoam between to eliminate rattles.

Put a latch (simple piece of wood cut out to fit over both handles) on over-the-sink handles when traveling. If you worry about scratching, line the back of the wood with sticky back felt.

By turning your sink cover upside-down and placing it on the other one you have a nice cutting board.

You can make sets of small washers glued together with super-glue in stacks of 1-4 high to raise the cook top further above the flame for bigger pans, leveling, etc. Just place the feet of the top through the hole in the washers and put back in place at the desired height.

On some models, the left hand side under the sink is not used. You can cut out and store trays, etc. in the area.

An additional shelf can be constructed under the sink.

If you have an inverter plug in by your sink, you can plug the crock-pot in, set it in the sink and cook going down the road.

To cook in microwave/convection while driving, turn on your generator. It needs to be run with a load on it a couple of times a month anyway. Imagine turning into that rest area with the aroma of a freshly cooked dinner wafting through the air.

LIVING AREA

A ventless propane heater can be installed between passenger seat & couch or chair. It can be hooked to the house propane tank. This unit uses no battery power. (Be careful with this!)

Couches can be fitted with a piano hinge on the front, can be retrofitted with a drawer that pulls out smoothly, or under bed plastic containers to make that space underneath more accessible.

File space can be added by taking off the leg from table and putting a cabinet under the table. Or simply take the table out completely and put 12" shelves in its place and use TV Trays to eat on.

Plastic in/out boxes for filing fit nicely above the driver's seat cabinets.

LAUNDRY

By folding up a towel and placing it below the washer lint trap, you can catch the excess water when cleaning it. If you put your washer in the Spin cycle so that the pump is working to remove the water and then open the lint trap, there will be little or no water drip out.

If you take out your washer/dryer, that cupboard makes a great storage area. Just add shelves or drawers.

Liquid soap works great in washer. Store in a plastic squeeze bottle- two squeezes (2 TBS) or use a granulated soap and use a coffee scoop to measure.

Use a bar or bungee cord across the shower to hang clothes from. You can also put a bar across the toilet compartment or place a retractable clothesline across the bedroom.

When using the dryer after washing a load, sort it out into two small loads, (heavier items and light items together). Dry each in small loads separately and the time will be considerably shorter.

BATHROOM

A small cabinet can be mounted above the stool for more storage.

Velveeta cheese boxes, Plexiglas strips, or small Rubbermaid silverware containers fit in the medicine cabinet to keep things from falling against the mirror doors.

BEDROOM

Shirt closets can have shelves installed in them to give more folded clothing storage.

Use duct tape to cover the piano hinge under the bed. It keeps the dust out. The tape doesn't affect it's opening at all.

Place foam-filled aluminum sheets under the bed for more insulation between the bed and motor.

Suction or stick-on baskets work great for the bathroom or on night tables.

Hooks can be placed over shower and bedroom doors for robes, etc.

Shoe storage- wooden towel racks that fasten on the back of the bed, or cloth racks that hang from same area.

A 12 volt mattress pad is great for those cold nights. There are also 110 volt mattress pads

available...Warm toes here we come!

GENERAL

Plastic in/out shelves readily available can be placed above the driver's seat for storage.

To stop the annoying noise of the mini-blinds when on the road, use foam insulation strip on the window frame or one side of a Velcro strip to deaden the noise. The blind adjusting rod can be wrapped with quilt fabric and fastened with a rubber band to keep it from banging against the blinds when running. The fabric can be removed easily and replaced or washed when it becomes dirty.

If you encounter freezing weather when running, set the front thermostat on the furnace at 65, which will keep the bays warm. Discovery engine heaters are so efficient that if you keep the furnace turned lower, the water in your tanks may freeze. When parked, unhook the outside water. Use no more than one electric cube heater inside when hooked up to AC so that the furnace will come on and warm the compartments. One gallon of cheap Vodka per ¼ tank water will keep it from freezing if you run it through all lines, including through the washer and ice-maker lines. It doesn't hurt the drinking water, just a little taste, and if taken enough perhaps a little buzz.

Replacement hardware for cupboards, etc. that matches is available at Eagle Hardware in the San Diego area or at most Home Depot stores.

There is room to put in a pantry unit in some rigs by reversing the bedroom door and using the triangular space beside the shower. There is a unit that is manufactured by one of our members. Ask around!



**Have you used up your supply of smiles today?
It is endless!!**

**DISCOVERY OWNERS ASSOCIATION, INC.
MEMBERSHIP APPLICATION**

Welcome to an organization open to all owners of Discovery Motorhomes by Fleetwood, intended to foster social opportunities and information exchange among members.

Dues are **\$20** for the first year, and **\$16** each year thereafter, due in the initial month joined.

Mail with checks, payable to: Discovery Owners Association, Inc., to Sharon Ayer, Membership Chairman, 91 East Donahoe, Chula Vista, CA 91911.

LAST NAME _____ FIRST _____ CO-PILOT _____

Street _____ CITY _____ State ____ ZIP _____

Phone _____ Cell Phone _____ E-mail _____

Discovery : Year ____ Length _____ Slide? Yes ___ No ___ Full Time _____ Part Time _____

Travel/Motorhome Memberships: _____

Hobbies/Interests*: _____

Areas of Expertise/Background*: _____

Positions in Discovery Owners Association, Inc. of possible interest to you* _____

Indicate willingness to participate as a volunteer if called upon*: Yes ____ No ____ Activities of

Particular _____

What are you looking for from this organization? _____

Comments: _____

*Indicate which family member if appropriate





OUR BIGGEST RALLY OF 2000

Discovery NATIONAL RALLY

Wayne County 4-H Fairgrounds, Richmond, Indiana

ALL SITES WITH 30 AMP POWER, WATER AND DUMP NEARBY

- PARADE OF HOMES
- MICROWAVE CLASS
- COMPUTER 'GET TOGETHER'

September 13-17, 2000

(Four Nights of Camping)

FLEETWOOD FACTORY SERVICE

VENDOR DISPLAYS & SEMINARS – WELCOME PARTY – FAREWELL DINNER-ENTERTAINMENT AND DANCING!!

3 CONTINENTAL BREAKFASTS ++ DINNER – THUR-FRI & SAT
FACTORY SEMINARS BY FLEETWOOD – FREIGHTLINER – CUMMINS

- ARTS & CRAFTS
- BOOK SWAP

checks payable to Discovery Owners Association, Inc.

Mail to: Yolanda & Joe DeSantis
8092 Summersong Ct.
Spring Hill, FL 34606

Cost is \$125 per rig with two adults
(\$100 with one adult, additional persons \$30)

1-352-686-5492 E-mail: jpdi@aol.com

Please help us plan – register by Aug. 15 --- we depart for Indiana on September 1st.

Last Name _____ First _____ Co-Pilot _____

Address _____ E-Mail _____

City/Town _____ State _____ Zip _____ Tele _____

Emergency Contact _____ Phone No. _____

Volunteers ---We Need Your Help!!! YES, I WILL HELP WITH:

- | | | | | | |
|--------------------|-------|-------------------|-------|----------------|-------|
| PARKING CREW * | _____ | SEMINAR HELPERS | _____ | RALLY REPORTER | _____ |
| REGISTRATION-INFO* | _____ | DOOR PRIZE-RAFFLE | _____ | WELCOME BAGS | _____ |
| CLEANUP CREW | _____ | VENDORS | _____ | BREAKFAST HELP | _____ |
| WHERE EVER NEEDED | _____ | ENTERTAINMENT | _____ | OTHER | _____ |

* Please arrive on Sept. 12 for training

DISCOVERY OWNERS ASSOCIATION, INC.

DO YOU KNOW WHEN YOUR DUES ARE DUE?

CHECK YOU ADDRESS LABEL BELOW AND WE TELL YOU YOUR RENEWAL DATE-

DON'T BE DELINQUENT – BE ELOQUENT -BE ON-TIME

DISCOVERY OWNERS ASSOCIATION, INC.
SHARON AYER, MEMBERSHIP
91 EAST DONOHOE
CHULA VISTA, CA 91911

PLAN AHEAD FOR THE
DISCOVERY NATIONAL
RALLY
RICHMOND, INDIANA September 13-17